

METHOD AND APPARATUS FOR CURSOR SMOOTHING

ABSTRACT OF THE DISCLOSURE

A method and apparatus for smoothing cursor motion on a display is provided. In an embodiment of the invention, an indication of an amount of movement of an operation instrumentality of a pointing device in a first direction is received from the pointing device. At a reporting time, a predetermined portion of the amount of movement of the pointing device in the first direction is reported to a computer. In at least one subsequent reporting time, a remainder of the amount of the movement in the first direction is reported. Preferably, at least two reports are sent to the computer for each time an indication of the amount of movement of the pointing device is received from the pointing device. In addition to smoothing of cursor motion, higher rates of movement of the operation instrumentality can be reported for a given bit length of the reports as the total amount of movement is divided into separate smaller reports.